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111 and taylor\$	0

**Database:**

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**Refine Search:**

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Generate Collection

L3: Entry 13 of 13

File: DWPI

Aug 12, 1999

DERWENT-ACC-NO: 1997-526404

DERWENT-WEEK: 199944

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TITLE: Monoclonal antibodies, immunogens and anti-antibodies specific for Taylorella equigenitalis - for diagnosis, treatment and prevention of contagious equine metritis

INVENTOR: GRADINARU, D; KLEIN, F

PATENT-ASSIGNEE: CONSEIL GEN L'ORNE (CONSN)

PRIORITY-DATA: 1996FR-0004623 (April 12, 1996)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 708879 B	August 12, 1999	N/A	000	C07K014/285
WO 9739034 A1	October 23, 1997	F	049	C07K016/12
FR 2747387 A1	October 17, 1997	N/A	046	C07K016/12
AU 9726416 A	November 7, 1997	N/A	000	C07K016/12

DESIGNATED-STATES: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

CITED-DOCUMENTS:3.Jnl.Ref; WO 8602360

## APPLICATION-DATA:

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	l11 and taylore\$	0	<u>L12</u>
USPT	l9 and (monoclonal or moab or mab or hybridoma)	352	<u>L11</u>
USPT	l9 and (monoclonal or moab or mab)	349	<u>L10</u>
USPT	cem and horse\$	435	<u>L9</u>
USPT	l7 and antibod\$	0	<u>L8</u>
USPT	contagious near3 equine near3 metritis!	2	<u>L7</u>
USPT	veneral near3 horse	1	<u>L6</u>
USPT	taylorella	12	<u>L5</u>
PGPB,JPAB,EPAB,DWPI	taylorella	1	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI	taylorella	13	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI	(0327230  2118566  2139139  2354319  2826533  2895882  4083958)! [pn]	23	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI	haemophilus same equigenit\$	9	<u>L1</u>

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
AU 708879B	April 11, 1997	1997AU-0026416	N/A
AU 708879B		AU 9726416	Previous Publ.
AU 708879B		WO 9739034	Based on
WO 9739034A1	April 11, 1997	1997WO-FR00649	N/A
FR 2747387A1	April 12, 1996	1996FR-0004623	N/A
AU 9726416A	April 11, 1997	1997AU-0026416	N/A
AU 9726416A		WO 9739034	Based on

INT-CL (IPC): A61K 39/395; A61K 48/00; C07K 14/195; C07K 14/285; C07K 16/12; C07K 16/42; C12N 5/06; C12N 5/18; G01N 33/569; G01N 33/577

ABSTRACTED-PUB-NO: WO 9739034A

BASIC-ABSTRACT:

Monoclonal antibodies (MAb), and their fragments, preferably Fv, Fab and F(ab')<sub>2</sub>, that recognise an epitope of Taylorella equigenitalis (T.g.) are new.

Also claimed are:

- (1) immunogenic proteins (I) that interact specifically with MAb;
- (2) monoclonal antibodies (AMAb) that interact with MAb, and
- (3) hybridomas that express MAb or AMAb.

USE - MAb are used as immunoassay reagents for detecting T.g. antigens, while (I) are used similarly to detect T.g.-specific antibodies, especially for diagnosis of contagious equine metritis.

MAb can also be used:

- (i) for passive immunisation;
- (ii) for delivery of pharmaceuticals, and
- (iii) for capture of (I), while (I) and AMAb are useful in vaccines to raise an immune response to T. g.

ADVANTAGE - Immunoassays using MAb produce fewer false positives and negatives than known methods (indirect immuno-fluorescence (IIF) with polyclonal antibodies or bacteriological techniques).

ABSTRACTED-PUB-NO: WO 9739034A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/3

DERWENT-CLASS: B04 C06 D16 S03

CPI-CODES: B04-B04C1; C04-B04C1; B04-G21; C04-G21; B04-N03; C04-N03; B12-K04; C12-K04;

B12-K04A; C12-K04A; B14-S11; C14-S11; D05-H11A1;  
EPI-CODES: S03-E14H4;

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2001/Sep W3

File 50:CAB Abstracts 1972-2001/Jul

(c) 2001 CAB International

\*File 50: Truncating CC codes is recommended for full retrieval.

See Help News50 for details.

File 654:US PAT.FULL. 1990-2001/AUG 21

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\*File 654: Reassignment data current through June 6, 2001 recordings

File 5:Biosis Previews(R) 1969-2001/Aug W3

(c) 2001 BIOSIS

File 348:EUROPEAN PATENTS 1978-2001/AUG W03

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File 10:AGRICOLA 70-2001/Aug

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File 203:AGRIS 1974-2001/Apr

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File 129:PHIND(Archival) 1980-2001/Aug W3

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File 94:JICST-EPlus 1985-2001/Jul W5

(c)2001 Japan Science and Tech Corp(JST)

\*File 94: There is no data missing. UDs have been adjusted to reflect the current months data. See Help News94 for details.

File 35:Dissertation Abs Online 1861-2001/Jul

(c) 2001 ProQuest Info&Learning

File 143:Biol. & Agric. Index 1983-2001/Jul

(c) 2001 The HW Wilson Co

File 47:Gale Group Magazine DB(TM) 1959-2001/Aug 27

(c) 2001 The Gale group

File 16:Gale Group PROMT(R) 1990-2001/Aug 27

(c) 2001 The Gale Group

File 151:HealthSTAR 1975-2000/Dec

(c) format only 2000 The Dialog Corporation

\*File 151: Final updates for this file have been loaded and the file is now closed. Please see Help News151 for changes to the file.

File 156:Toxline(R) 1965-2000/Dec

(c) format only 2000 The Dialog Corporation

\*File 156: This file is closed (no updates). For toxicology search strategy and changes to the file please see Help News156.

File 342:Derwent Patents Citation Indx 1978-01/200144

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\*File 342: Price changes as of 1/1/01. Please see HELP RATES 342.

File 357:Derwent Biotechnology Abs 1982-2001/Sep B2

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\*File 357: Price changes as of 1/1/01. Please see HELP RATES 357.

File 371:French Patents 1961-2001/BOPI 200133

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Set Items Description

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?ds

Set	Items	Description
S1	284	(TAYLORELL? OR EQUIGENTIAL? OR METRITIS?) AND (ANTIBOD? OR IMMUNOGLOB? OR MONOCLONAL? OR MOAB OR MAB OR HYBRIDOMA? OR FA-B)
S2	199	RD (unique items)
S3	0	S2 AND EQUIGENTIL?
S4	64	S2 AND EQUIGEN?
S5	33	S1 AND MONOCLONAL?

?t s5/9/28

The research team, lead by Dr T Tobin, is in the process of developing tests for all the major drugs of abuse in racing - some 20 drugs are being studied at the moment. The tests will eventually replace the currently used thin layer chromatography methods and "have already begun to revolutionize testing for drugs in racing horses", according to Dr Tobin

?logoff hold

5/9/28 (Item 1 from file: 129)  
DIALOG(R) File 129:PHIND(Archival)  
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00151754

**Equine research at the University of Kentucky**  
Animal-Pharm 151 p19, March 31, 1988 (19880331)  
STORY TYPE: F WORD COUNT: 490

Not surprisingly, given its location in the premier state for Thoroughbred horses in the US, equine research features prominently in the activities of the Department of Veterinary Science at the University of Kentucky. The Maxwell H Gluck Equine Research Center is the major research division of the department. In addition, the Livestock Disease Diagnostic Center (LDCC) provides post-mortem and diagnostic services, as well as performing regulatory testing. These diagnostic services are provided free to livestock producers.

#### infectious diseases

The importance of infectious disease is indicated by the fact that in 1987 the LDCC tested 55,384 samples for equine infectious anaemia (EIA), 1,422 for contagious equine **metritis** (CEM) and 13,156 for equine viral arteritis (EVA). The major cause of enteric disease among foals in central Kentucky during the year was rotavirus. Infectious diseases form a major feature of the research programme.

\* The antigens of equine herpesvirus (EHV-1), which causes abortion in mares, are being characterised using **monoclonal antibodies** (MAbs) and DNA analysis. Detailed studies of one antigen, gp13, revealed that there were regions which showed amino acid homology with other herpesviruses.

\* Molecular biology techniques are also being applied to the virus responsible for EVA. Genetic fingerprints of eight recently isolated North American strains of the virus and one European strain have been compared. The relationships between the fingerprints, antigenic variation and pathogenicity will be the subject of future research.

\* Interferons were not found to be effective in eliminating virus from stallions persistently infected with EVA, and when administered parenterally caused short-term local reactions, particularly in Thoroughbreds. An epidemiological study showed that in the Standardbred horse the incidence of carrier stallions was relatively high. Of 27 stallions tested, 19 were seropositive for EVA and six of these were confirmed carriers.

\* The efficacy of a modified, live virus vaccine against EVA (Arvac, Fort Dodge Laboratories) has been monitored for a three-year period in a group of 36 commercial Thoroughbred stallions. The vaccine was effective in producing an immune response, although the authors conclude that a booster dose would be advisable four to eight weeks after the primary vaccination, in order to maintain serum **antibody** levels during the breeding season.

#### drug testing

The Drug Testing Laboratory provides regulatory testing for both the harness and flat racing in Kentucky, and has begun a major research effort to develop a range of one-step ELISA tests for drug detection. The research is being conducted in co-operation with the Illinois Racing Board Laboratory and International Diagnostic Systems Corp, and has so far resulted in tests for buprenorphine, fentanyl, etorphine and morphine which have begun pilot testing.



DIALINDEX(R)

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\*\*\* format unless you enter the SET DETAIL ON command. \*\*\*

?sf allscience

You have 285 files in your file list.

(To see banners, use SHOW FILES command)

?s (au=Akuzawa or au=Noriko ?) and (taylorella? or equigenital? or cme)

Your SELECT statement is:

s (au=Akuzawa or au=Noriko ?) and (taylorella? or equigenital? or cme)

Items	File
-----	-----
Examined 50 files	
Examined 100 files	
Examined 150 files	
Examined 200 files	
Examined 250 files	

No files have one or more items; file list includes 285 files.

One or more terms were invalid in 134 files.

?s taylorella?/ti or equigenital?/ti

Your SELECT statement is:

s taylorella?/ti or equigenital?/ti

Items	File
-----	-----
41	5: Biosis Previews(R)_1969-2001/Aug W3
23	10: AGRICOLA_70-2001/Aug
30	34: SciSearch(R) Cited Ref Sci_1990-2001/Aug W4
1	35: Dissertation Abs Online_1861-2001/Jul
55	50: CAB Abstracts_1972-2001/Jul
2	65: Inside Conferences_1993-2001/Aug W4
6	71: ELSEVIER BIOBASE_1994-2001/Aug W1
9	73: EMBASE_1974-2001/Aug W3
16	76: Life Sciences Collection_1982-2001/Jun
1	77: Conference Papers Index_1973-2001/Sep
Examined 50 files	
16	94: JICST-EPlus_1985-2001/Jul W5
5	143: Biol. & Agric. Index_1983-2001/Jul
15	144: Pascal_1973-2001/Aug W4
32	155: MEDLINE(R)_1966-2001/Sep W4
1	156: Toxline(R)_1965-2000/Dec
1	162: CAB HEALTH_1983-2001/Jul
1	172: EMBASE Alert_2001/Aug W4

RDR FILE 0172 SENT TO DLGDUMP RDR AS 0172 RECS 3602 CPY 001 V NOHOLD NOKEEP

Command complete

Abnormal System Termination.

File 410:Chronolog(R) 1981-2001/July  
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Set Items Description

? set hi ;set hi

HIGHLIGHT set on as ''

HIGHLIGHT set on as ''

? b 411

29aug01 08:11:26 User228206 Session D1564.6

\$0.00 0.067 DialUnits File410

\$0.00 Estimated cost File410

\$0.00 Estimated cost this search

\$0.16 Estimated total session cost 0.199 DialUnits

File 411:DIALINDEX(R)

DIALINDEX(R)

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\*\*\* format unless you enter the SET DETAIL ON command. \*\*\*

? sf allscience

You have 285 files in your file list.

(To see banners, use SHOW FILES command)

? s taylorella?/ti or equigenital?/ti

Your SELECT statement is:

s taylorella?/ti or equigenital?/ti

Items	File
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63	5: Biosis Previews(R)_1969-2001/Aug W3
84	10: AGRICOLA_70-2001/Aug
31	34: SciSearch(R) Cited Ref Sci_1990-2001/Aug W4
2	35: Dissertation Abs Online_1861-2001/Jul
104	50: CAB Abstracts_1972-2001/Jul
3	65: Inside Conferences_1993-2001/Aug W4
2	70: SEDBASE_1996/Jan Q1
6	71: ELSEVIER BIOBASE_1994-2001/Aug W1
16	73: EMBASE_1974-2001/Aug W3
30	76: Life Sciences Collection_1982-2001/Jun
2	77: Conference Papers Index_1973-2001/Sep
Examined 50 files	
16	94: JICST-EPlus_1985-2001/Jul W5
7	143: Biol. & Agric. Index_1983-2001/Jul
27	144: Pascal_1973-2001/Aug W4
57	155: MEDLINE(R)_1966-2001/Sep W4
1	156: Toxline(R)_1965-2000/Dec
3	162: CAB HEALTH_1983-2001/Jul
1	172: EMBASE Alert_2001/Aug W4

RDR FILE 0177 SENT TO DLGDUMP RDR AS 0177 RECS 3597 CPY 001 V NOHOLD NOKEEP  
Command complete  
Abnormal System Termination.

Connection closed by remote host